

Materials Sciences Division Safety Committee Meeting

April 30, 2014

Opening Remarks

Rachel Segalman
Division Director

Nick Everson
Deputy Director for Operations

Agenda



- **MSD Safety Committee Membership and Introductions**
- **News from the Safety Advisory Committee**
- **Fire in the Molecular Foundry**
- **Discovery of Misprogrammed Oxygen Deficiency Monitors at JCAP**
- **Ideas for Improving Safety Management at JCAP**
- **Other Topics and Issues**

MSD Safety Committee Membership & Liaisons



Chair:
Rick Kelly

Building/Operations Managers:
Gilbert Torres (2, 62, 66, 67, 976), John Turner (72),
Oliver Gessler (2, shared with Gil Torres)
Kristin Estis (976 JCAP Operations Manager)

MSD Support:
Raffaella Buonsanti, MSD rep on Lab Safety Advisory Committee

Ed Wong Machine Shop
James Wu, Materials Fabrication
Kymba A'Hearn, EHS Admin

MSD EH&S Technicians:
Paul Johnson, 53, 62, 64, 66, 2, 55
Carleton Falzone, 67, 72
Sherry Chan, Somorjai, Alivisatos Labs, JCAP

EH&S Associates:
Larry Mclouth, Liaison to MSD
Kurt Ettinger, Health and Safety Representative

DOE Site Office Observer
Julie Henderson Droatz

Each LBNL-based research group in MSD, including each program in the Molecular Foundry, will designate a primary and backup representative to serve on the Safety Committee

Research Group	Representative(s)
Ager	Rachel Woods-Robinson
Alivisatos	David Grauer
Alivisatos	David Litt
Alivisatos	Alexandra Courtis
Bourret	Eric Samulon
CXRO	Weilun Chao
Dubon	Maribel Jaquez
Fadley	Catherine Conlon
Foundry User Program	Alison Hatt
Foundry/Cabrini	Scott Dhuey
Foundry/Neaton	Steve Whitelam
Foundry/Schuck	Paul Ashby
Foundry/Svec	David Britt
Foundry/Urban	Tracy Mattox
Foundry/Zuckermann	Michael Connolly
Javey B66	Rehan Kapadia
Javey EMAT	Jeff Beeman
JCAP	Kristin Estis
JCAP - safety team	Karl Walczak
JCAP - safety team	Chris Letko
JCAP - safety team	Mary Louie
Kaindl	Yiming Xu
Lanzara	Ken Gottlieb
Milliron	Clayton Dahlman
NCEM	Marissa Mancuso
Orenstein	Eric Thewalt
Pines	Anna Parker
Ritchie	Bernd Gludovatz
Ritchie	Amy Watt
Salmeron	Barbara Lechner
Schoenlein	Matt Langner
Segalman	Gabriel Sanoja
Somorjai	Griffin Kennedy
Somorjai	Walter Ralston
Tomsia	David Lopez
Zhang	Sui Yang
Zheng	Kaiyang Niu
Yaghi UCB	Caitlin Stevens
Yaghi LBL	Kyungmin Choi
MSD Business Office	Kyle Davis
MSD Shop	Ed Wong
MSD Mat Fab Facility	James Wu

Functions and Key Activities of the MSD Safety Committee



Functions of safety committee and representatives

- Represent all research groups within MSD at LBNL
- Stimulate leadership and staff participation in safety program
- Advise Division management and EH&S on safety and health matters
- Perform essential monitoring, educational, investigative and evaluative tasks
- Serve as contact point for EH&S matters in each research group
- Serve as conduit for bringing EH&S information back to research groups

Key Activities

- Recommend changes to existing safety rules or the development of new rules
- Recommend improvements in hazard identification and control measures
- Report and discuss unsafe conditions
- Review accidents, incidents and close calls in MSD
- Disseminate EH&S information at group or lab meetings
- Document inspections, investigations, meetings and other EH&S actions at the group level

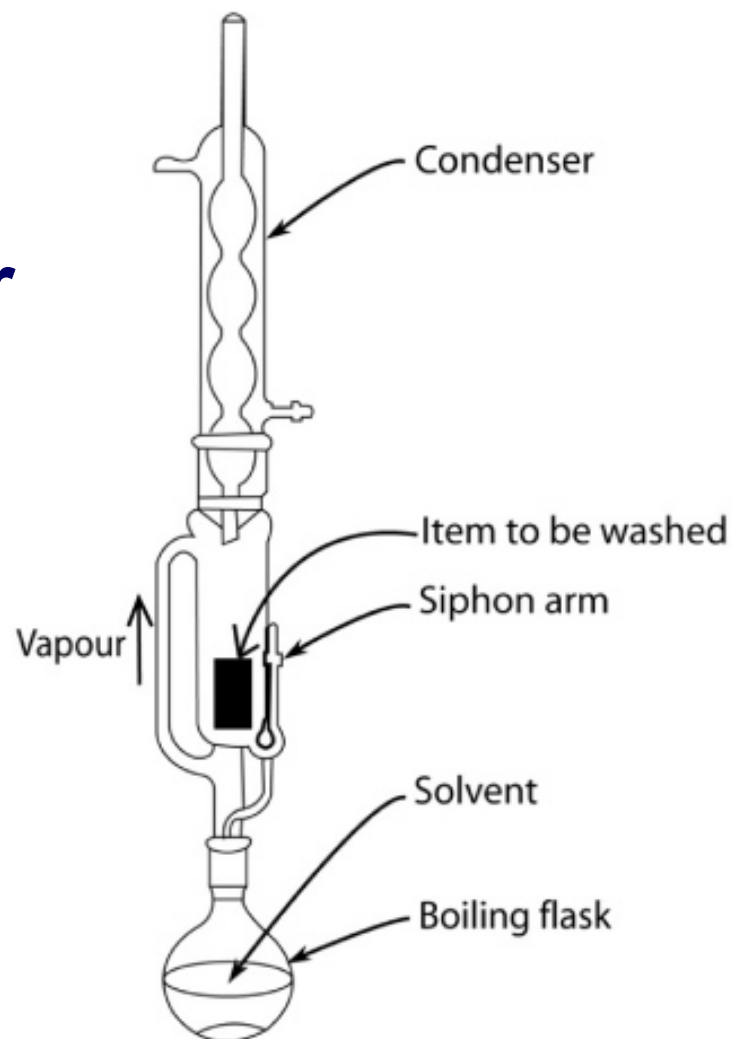
News from the Safety Advisory Committee

Raffaella Buonsanti

Fire in Molecular Foundry

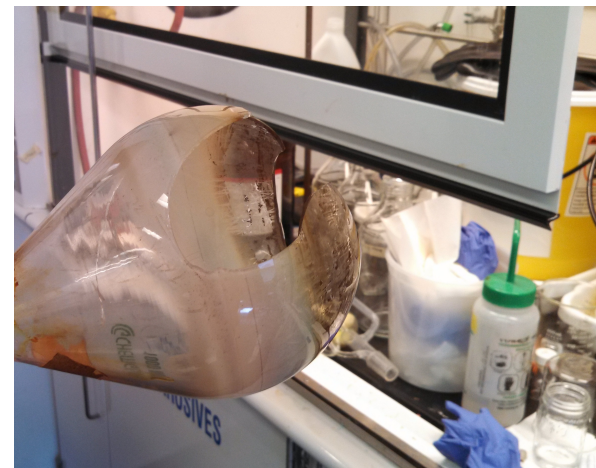
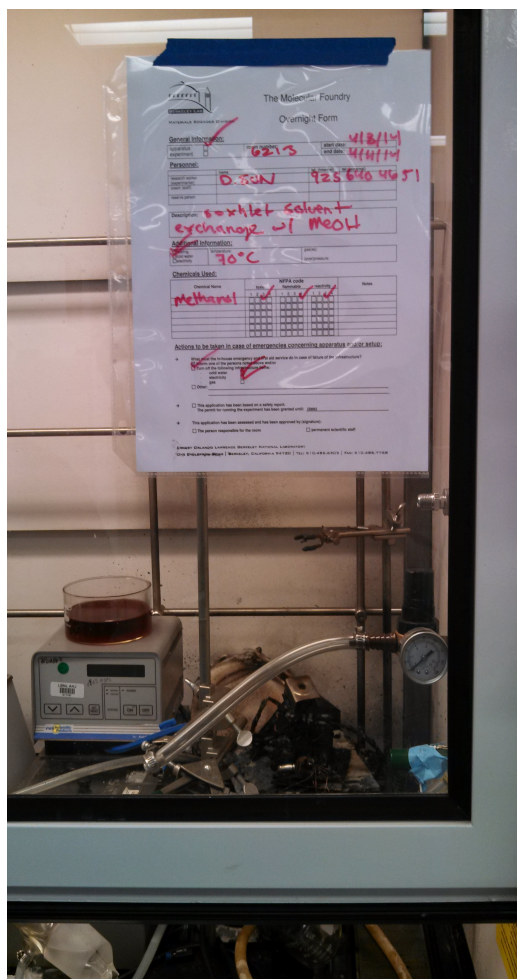
Daniel Sun

Soxhlet Extractor Diagram



http://ej.iop.org/images/0026-1394/50/1/27/Full/metro447169f12_online.jpg





Discovery of Misprogrammed Oxygen Deficiency Monitoring Systems at JCAP

Kurt Ettinger

Ideas for Improving Safety Management at JCAP

Kristin Estis

Other Topics and Issues

Reliability Problems with Treated Cotton Fire Resistant Lab Coats (Blue Lab Coats)?



- Received a report of rapid degradation of blue fire resistant cotton lab coats at JCAP
- Have others experienced this?

Push to implement Equipment Electrical Safety Program



- Most of the electrical lab equipment in MSD has been inventoried
- Next two steps
 - Test “**High Hazard**” equipment in inventory
 - Repair or remove “**Failed**” electrical equipment
- People in your labs may be contacted to schedule these tests/repairs.
- Testing is free, you may be asked for an account number if repairs are necessary

Potential HF Exposure at JCAP



- Individual was working in hood where HF is routinely used (at 7%), but was not handling HF
- At home, experienced skin symptoms consistent exposure to 7% HF
- Immediately sought care in an emergency room
- Follow-up care at LBNL Health Services Clinic
- Individual followed exactly the correct procedure

Thank you